

**PVP SIDDHARTHA INSTITUTE OF
TECHNOLOGY, KANUR, VIJAYAWADA-7
DEPARTMENT OF FRESHMAN ENGINEERING
ENGINEERING PHYSICS LAB EQUIPMENT LIST(2015-16)**

S.No	Name of the Component	Qty.
1.	<u>COUPLED OSCILLATOR</u> Coupled Oscillator wall Fixing type Cat.No: 1035 Mikron Make	6
2.	<u>DISPERSIVE POWER OF PRISM</u> Prisms for spectrometer Equalateral two faces Glass Size: 32x32mm Refractive Index: 1.51 Make: Prince Made: Borosilicate Crown	6
3.	Prisms for spectrometer Equalateral two face polished R1-1-62 Make: Prince Size: 32x32mm	6
4	Hallow prism	4
5	Mercury Vapour Lamp Make: Philips (160w)	6
6	<u>DIFFRACTION GRATING</u> Diffraction Grating	3 1 1
7	Sodium Vapour Lamp(35w) Make: Philips With Indian Transformer	6
8.	Spirit Level in Brass N.P. Case	6
9.	Spectrometer Make: INCO Chronics Cat.No.4231	3 3
10.	<u>MAGNETIC FIELD ALONG THE AXIS OF A CIRCULAR COIL</u> Rheostat slide wire would Range 2.3amps, 57 ohms Make: Mikron	6
11	Ammeter Dc Size: 70mm Range: 0 to 3 Amps Make : Mikron	6

S.No	Name of the Component	Qty.
12.	Single Key Mikron Make	6
13.	Commutator 4-way with 4-plufs Make : Mikron	6
14.	Stewart and Gees Method apparatus Cat No: 640 Make: UTC A) Compass	1 5 6
15	Battery Eliminators Cat.No: P-680 Type – F PISCO Make	4
16.	<u>NEWTON'S RINGS</u> Spherometer 40mm Make : PARCO	4 2
17.	Newton's Ring Lens	6
18	Retard stand	6
19.	<u>SONOMETER</u> Sonometer	2 4
20.	AC Sonometer attachment Make :Mikron(RC –Circuit)	6
21.	Slotted weights	6
22	Physical Balance ,Model : P-1,Make : Keroy	3
23	Weight Box for Balance Make : Weston	3
24	STUDY OF RESONANCE Tuning forks set of 8cm Wooden Box Cat.No: 5000 Make : INCO	6
25.	Aspirator Bottles Capacity : 2lt Make : Borosil	3 3
26	Hammers for Tuning Forks	15
27	Measuring Cylinders Graduated capacity 500ml	6
28	Glass Beakers Capacity: 500ml	6
29	TORSIONAL PENDULAM Stop Clock Metal Body Model : ST2 Make : ESAL A) stop clock B) Stop clock	5 4 5 3
30	Vernier Calipers IME Type Cat No: 1021 Make : INCO Vernier calipers – 5"	6 6

S.No	Name of the Component	Qty.
31	Screw gauges stainless Cat No: 1003 Make : INCO A) Screw gauges	5 5 6
32	Torsional Pendulam Brass disc Cat No: 2267 Make : INCO	6
33	Meter Scales (wooden)	8
34	Half Meter Scales (wooden)	6
35	WEDGE METHOD Traveling Micro Scope Cat No: 4200 Make : INCO	2 4
36	Wedge Plates	6
37	EL – 138 Zener Diode characteristics apparatus	6
38	Energy Band Gap of P-N Junction Diode	6
39	EL – 153 Thermistor Characteristic apparatus	6
40	Milli Ammeter	6
41	Regulator Power Supply	6
42	BASIC OPTICAL FIBER TRAINER KIT	4

OBSOLUTE STOCK

S.NO	ITEM DESCRIPTION	DATE	QTY
1	LCR Circuit Boards	7-01-2000	6
2	Signal generator	7-01-2000	6

DAMAGED STOCK

S.NO	ITEM DESCRIPTION	DATE	QTY
1	Battery eliminators	7-6-2000	2
2	Screw gauges	7-1-2000 3-4-2013	1 1
3	Stop clock	3-4-2013	1

SUBMITTED BY : CH. MURALI MOHAN (Lab Incharge)